

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): GLUKHOVSKY, Arkady EXAMINER: Not Yet Assigned
SERIAL NO.: Not Yet Assigned GROUP ART UNIT: Not Yet Assigned
FILED: Herewith Attorney Docket No.: P-5812-US
FOR.: MEASURING A GRADIENT IN VIVO

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, this Information Disclosure Statement includes Form PTO-1449:

1. ☒ listing documents including patents, publications and other information for consideration by the Examiner, however, since the subject application was filed after June 30, 2003, copies of United States patents, and/or United States patent applications, and/or United States patent application publications are not included in this information disclosure statement; and/or
2. ☐ listing documents including patents, publications and other information that have been previously cited or submitted to the Patent Office in prior application U.S. Serial No. _____, filed _____ which is properly identified and relied on for an earlier effective filing date under 35 U.S.C. 120 for consideration by the Examiner; however, in accordance with 37 C.F.R. 1.98(d), copies of such documents are not included in this information disclosure statement; and/or
3. ☒ listing documents including patents, publications, and other information for consideration by the Examiner, copies of which are included with this information disclosure statement;

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4. ☐ listing other information for the Examiner's consideration which was cited in a communication from a foreign patent office in a counterpart foreign application, a copy of which is included with this information disclosure statement.

The information herein cited is only in fulfillment of Applicant(s) duty of candor in disclosing all information brought to Applicant(s) attention. This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant(s) reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant(s) further reserve(s) the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each and every document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application and is evidence that the Examiner has considered the document.

This Information Disclosure Statement is being filed:

- I) ☒ Within three (3) months of filing the subject Application or entry of the subject Application into the national stage or before mailing of the first Office Action on the merits of the subject Application or a request for continued examination thereof, whichever event occurs last pursuant to of 37 C.F.R §1.97 (b); or
- II) ☐ After the period specified in (I) but before the mailing date of either a final Official Action under 37 C.F.R §1.113 or a notice of allowance under 37 C.F.R §1.311 whichever occurs first and;

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1. ☐ the undersigned hereby states that each item of information listed on the Form PTO-1449 was either (i) cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement or (ii) not cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, not known to any individual designated in §1.56(c) more than three (3) months prior to the filing of this information disclosure statement; or
2. ☐ the undersigned hereby authorizes the Patent Office to charge the fee in the amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 05-0649.

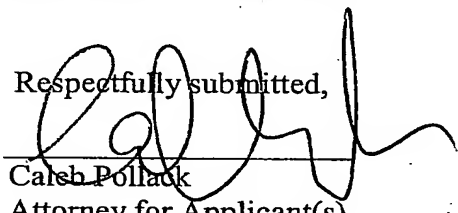
III) ☐ After the period in (I) and (II) but before the payment of the issue fee and,

1. The undersigned hereby states:
 - a) ☐ that each item of information cited on the form PTO-1449 was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement; or
 - b) ☐ that no items of information contained in Form PTO-1449 was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; and
2. ☐ The undersigned hereby authorizes the Patent Office to charge the Petition fee in the Amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 05-0649.

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Except for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 05-0649.

Respectfully submitted,


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Dated: March 25, 2004

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

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U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	3,971,362	July 27, 1976	Pope, et al.			
	B	4,689,621	Aug. 25, 1987	Kleinberg			
	C	4,844,076	July 4, 1989	Lesho, et al.			
	D	5,279,607	Jan. 18, 1994	Schentag, et al.			
	E	5,604,531	Feb. 18, 1997	Iddan, et al.			
	F	5,819,736	Oct. 13, 1998	Avny, et al.			
	G	US App. Pub. 2001/0051766	Dec. 13, 2001	Gazdzinski			
	H	5,833,603	Nov. 10, 1998	Kovacs, et al.			
	I	5,853,005	Dec. 29, 1998	Scanlon			
	J	6,074,349	June 13, 2000	Crowley			
	K	6,165,128	Dec. 26, 2000	Céspedes, et al.			

Foreign Patent Documents

*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	L	WO 01/50941	July 19, 2001					
	M	DE 34 40 177	May 15, 1986	Germany				
	N	JP 4109927	April 10, 1992	Japan				
	O	JP 2001224553	August 21, 2001	Japan				
	P	JP 5015515	January 26, 1993	Japan				

OTHER ART

(Including Author, Title, Date, Pertinent Pages, Etc.)

*Examiner Initial	Q	Wireless transmission of a color television moving image from the stomach using a miniature CCD camera, light source and microwave transmitter. Swain CP, Gong F, Mills TN. Gastrointest Endosc 1997;45:AB40.
	R	Robots for the future - Shin-ichi, et al, November 29, 2001.
	S	The Radio Pill, Rowlands, et al., British Communications and Electronics, August 1960, pp. 598-601
	T	Video Camera to "TAKE" - RF System lab, December 25, 2001

Examiner

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

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	U	4,278,077	July 14, 1981	Mizumoto			
	V	6,240,312	May 29, 2001	Alfano, et al.			
	W	US App. Pub. 2002/0198439	Dec. 26, 2002	Mizuno			
	X	4,741,327	May 3, 1988	Yabe			
	Y	3,683,389	August 8, 1972	Hollis			
	Z	US App. Pub. 2001/0017649	August 30, 2001	Yaron			
	AA	6,285,897	Sep. 4, 2001	Kilcoyne, et al.			
	AB	6,475,145	Nov. 5, 2002	Baylor			
	AC	6,607,301	August 19, 2003	Glukhovsky, et al.			
	AD	US App. Pub. 2003/0018280	January 23, 2003	Lewkowicz, et al.			

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*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AE	WO 01/08548	Feb. 8, 2001					
	AF	WO 01/65995	Sep. 13, 2001					
	AG	WO 98/11816	March 26, 1998					
	AH	WO 92/21307	Dec. 10, 1992					

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*Examiner Initial	AI	Wellesley company sends body montiors into space - Crum, April 1998
	AJ	BBC News Online - Pill camera to 'broadcast from the gut', February 21, 2000, www.news.bbc.co.uk
	AK	www.rfnorika.com - NORIKA3, December 24, 2001
	AL	Evaluation of the Heidelberg pH Capsule, Yarbrough, et al., The American Journal of Surgery, Vol. 117, February 1969, pp.185-192

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	AM	6,584,348	June 24, 2003	Glukhovsky			
	AN	US App. Pub. 2003/0195415	Oct. 16, 2003	Iddan			
	AO	US App. Pub. 2003/0040685	Feb. 27, 2003	Lewkowicz, et al.			
	AP	10/724,109		Glukhovsky, et al.			December 1, 2003
	AQ	US App. Pub. 2003/0040685	April 11, 2002	Meron, et al.			

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*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AR	57-45833	March 16, 1982	Japan				
	AS	HEI 4-109927	April 10, 1992	Japan				
	AT	HEI 4-180736	June 26, 1992	Japan				
	AU	HEI 3-289779	Dec. 19, 1991	Japan				
	AV	WO 00/22975	April 27, 2000					
	AW	WO 02/094337	Nov. 28, 2002					
	AX	WO 2004/004540	January 15, 2004					
	AY	PCT/IL03/00982	Filed Nov. 19, 2003					
	AZ	PCT/IL03/01080	Filed Dec. 16, 2003					

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*Examiner Initial	BA	Roubik, et al., "Reference Microelectrodes Design Evaluation for On-Chip ISFET-Based Microsensors for "in vivo" Blood Measurements"
	BB	"Chemical Microsystem", Department of Microelectronics, Faculty of Electrical Engineering Czech Technical University in Prague, Technická 2, CZ-166 27 Prague 6, Czech Republic
	BC	F. Vald's-Perezgasa, et al., "Isfet Applications in Biological Matter: An Overview", downloaded October 27, 2002, www.cinstrum.unam.mx/revista/pdtv4n3/art3.PDF

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*Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation
						Yes No
	BD	WO 02/26103	April 4, 2002			

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*Examiner Initial	BE	Heidelberger Kapsel - ein Kleinstsender für die pH-Messung im Magen, Lange, et al., Telefunken-Zeitung, Jg 36 (1963) Heft 5, pp. 265-270
	BF	www.oceanoptics.com - pH Sensor & Accessories, © 2001
	BG	Wang, et al., "Integrated Micro-Instrumentation for Dynamic Monitoring of the Gastro-Intestinal Tract", Presented at IEEE Instrumentation and Measurement Technology Conference, May 2002, Anchorage, Ak, USA, www.see.ed.ac.uk/Naa.publications.html

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